

ABSTRACT OF THE DISCLOSURE

A system for pumping fluid from a well has a submersible pump introducible into a well for pumping fluid from the well to ground, submersible motor introducible into the well and connected to the submersible pump for driving the submersible pump, the motor including at least one upper tandem motor mechanically connectable to another motor and electrically connectable to a power source, and at least one additional upper tandem motor, the additional upper tandem motor being mechanically connected with the first mentioned upper tandem motor so as to drive the submersible pump with a mechanical power derived from the first mentioned upper tandem motor and the additional upper tandem motor, and a power supply which independently supplies electrical power to the upper tandem motors.